

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



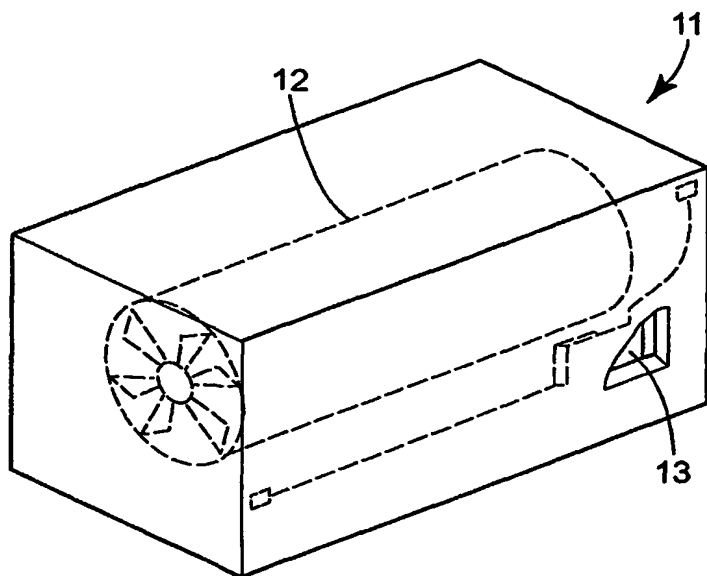
(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/066236 A1

- (51) International Patent Classification⁷: **G08B 13/14**, 21/18
- (21) International Application Number: PCT/US2004/000814
- (22) International Filing Date: 14 January 2004 (14.01.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/319,868 14 January 2003 (14.01.2003) US
60/320,004 12 March 2003 (12.03.2003) US
- (71) Applicant (for all designated States except US): **UNITED TECHNOLOGIES CORPORATION** [US/US]; One Financial Plaza, Hartford, CT 06103-2608 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **LODA, David, C.** [US/US]; 234 Hebron Road, Bolton, CT 06043-7831 (US).
- (74) Agent: **MILLER, Thomas, A.**; Marshall, Gerstein & Borun LLP, 6300 Sears Tower, 233 S. Wacker Drive, Chicago, IL 60606 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SHIPPING CONTAINER AND METHOD OF USING SAME



(57) Abstract: A shipping container for detecting conditions of the container from a remote location, or sensing the condition of other shipping containers within the vicinity of the shipping container, is disclosed. The shipping container may include an onboard microserver communicating with a plurality of sensors within the container. The microserver may serve as an Internet node enabling sensed conditions within the container to be communicated to remote computing devices by way of the Internet. The shipping container also may include anti-tampering equipment such as a conductive grid such that any tampering with the container will necessarily effect an electrical parameter of the grid with the change in the electrical parameter then being detected and causing an alarm or other corrective measure to be taken.